Indian Standard

## MAFFIRMEN

## SPECIFICATION FOR

## SOLID-WOVEN IMPREGNATED HAIR BELTING FOR

BALAJI INTERNATIONAL 68/1/3, Shree Krishan Valut Lane,

C.S.T. No. 19682200903

73, Shree Krishan Vakat Lane, Howrah - 711 101 VAT No. 19683382009

( Second Revision )

POWER TRANSMISSION

- 1. Scope Covers the requirements for two grades of solid-woven impregnated hair belting used for power transmission.
- 2. Terminology For the purpose of this standard, the following definitions shall apply.
- 2.1 Solid-Woven Belting A belting which is woven solid by interweaving hair warps, cotton wefts and binders.
- 2.2 Tensile Strength The load per unit area of the nominal cross section required to stretch a test place to breaking point, the stress being substantially uniform over the cross section.
- 2.3 Elongation The increase in length, expressed as a percentage of the original length of a test specimen, in a tensile test.
- 2.4 Permanent Set The residual increase in length of the test piece, expressed as a percentage of the original length, after subjection to a specified stress for a specified period.
- 3. Grades
- 3.1 Hair belting shall be of the following grades:

Grade

Tensile Strength,

Min

. . . 3. 777 N/cm<sup>2</sup>

2 943 N/cm<sup>1</sup>

It is recommended that Grade 1 belts, in their untrested condition, may have a minimum hair content of 55 percent by mass and Grade 2 belts may have a minimum hair content of 55 percent by mass.

Dimensions — Shall conform to Table 1.

t benution

The shallen in width in one continuous piece of beiting shall not exceed the following limits:

ALPONT O

Width

THE RESERVE AND ADDRESS OF THE PARTY OF THE

Variation

Up to and including 125

1:6 mm

Above 125 mm

The includent there were a larger

bent oh: His to you was too to drive

Example

125 mm belt shall not vary by next than 1.6 mm in width throughout its entire length, but it will be acceptable in any of the solowing widths.

- a) 126'6 mm down to 125'0 mm, and
- b) 125.0 mm down to 123.4 mm.
- 4.2 Unless otherwise enecified by the purchaser and agreed by the manufacturer, the lengths of rolls for different sizes of belting shall be:
  - a) For widths up to and including 250 mm

100 m (approximately)

b) For widths over 250 mm

**% in (approximately)** 

Advantal St. Sandy 1971

O January 1977, BIS

Gr 2

BALAJI INTERNATIONAL 68/1/3, Shree Kristat Valuat Lane, Howrah - 7613-168 00 VAT No. 19683382009 C.S.T. No. 19683382203 REAU OF INDOMEST DARDS

levs and Belts Sections! C